

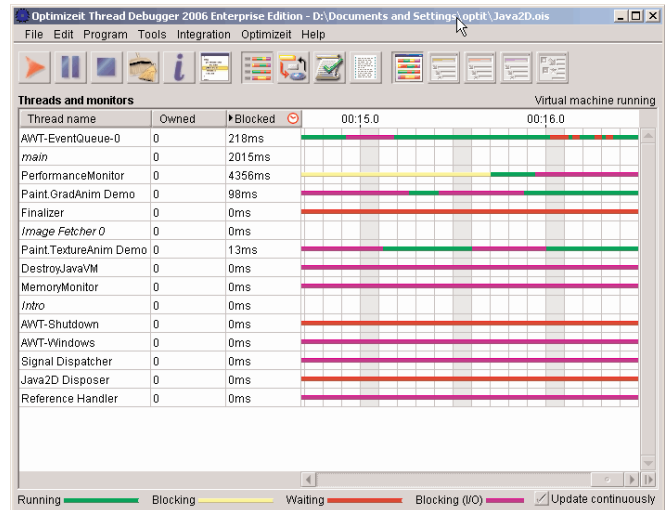


# Borland® Optimizeit™ Enterprise Suite 2006

## Performance Management Solution for J2EE™ Application Development

STREAMLINE PERFORMANCE AND OPTIMIZE QUALITY

Borland® Optimizeit™ Enterprise Suite 2006 delivers a breakthrough performance management solution for tackling J2EE™ performance hazards throughout the development lifecycle—from code-level issues to systemwide bottlenecks. The suite combines Optimizeit Suite with Optimizeit ServerTrace Developer Edition for a complete, integrated solution that enables enterprises to deliver faster, scalable, more reliable J2EE applications. Performance data is collected and displayed in real time for easy identification of possible issues, right down to the responsible line of source code. This information helps developers quickly resolve issues before they develop into problems, optimizing the performance and quality of application development.



*Easily solve challenging thread issues - view the status of all threads, avoid thread starvation and contentions that lead to crashes with Optimizeit Thread Debugger.*

### FEATURES AND BENEFITS

#### HIGH-PERFORMANCE APPLICATIONS DELIVERED FASTER

Track and resolve performance hazards more efficiently using Optimizeit Enterprise Suite throughout the development process. Developers gain powerful tools to tackle obstacles—from the lowest-level code issues to system-wide J2EE bottlenecks. Challenges such as memory leaks, excessive object allocations, thread deadlocks, and bottlenecks are swiftly resolved to deliver fast, reliable, and truly scalable J2EE applications.

#### BREAKTHROUGH J2EE PROFILING FOR DEVELOPERS

Optimizeit Enterprise Suite allows developers to pinpoint the exact nature and cause of J2EE system performance problems. Using the System Dashboard, developers obtain a simple performance break down of key J2EE components including JDBC®, Java Server Pages™ (JSP™), JNDI, Enterprise JavaBeans™ (EJB™), and Java™ Message Service (JMS™). See at a glance exactly where performance problems lie, dramatically shortening the time to resolution.

#### SOLVE PERFORMANCE HAZARDS MORE EASILY

Automatic detection capabilities boost team productivity, making it easier for developers to meet performance targets. The Automatic Memory Leak Detector allows immediate detection of memory leaks, while automatic thread reports catch potential deadlocks and contentions before they occur. The Automatic Application Quality Analyzer delivers unprecedented predictive analysis that uncovers J2EE

performance issues that would otherwise be impossible to track. Developers can now produce higher-quality applications in less time with the confidence that the highest performance standards can be readily achieved prior to deployment.

#### COMPLETE, INTEGRATED PERFORMANCE SUITE

Optimizeit Enterprise Suite provides a single, easy-to-use solution for complete J2EE application performance management, offering developers an all-encompassing toolkit for tackling speed, scalability, and reliability risks early in the development lifecycle.

#### SIMPLE SET-UP AND EASE OF USE

Optimizeit Enterprise Suite is designed to be a simple, easy-to-use solution for extensive performance testing of J2EE applications throughout the development cycle. Set-up and configuration is faster with no additional hardware requirements. Prioritize performance issues more easily with the intuitive, graphical user interface that displays performance data in real-time to quickly identify performance roadblocks.

# Borland® Optimiziteit™ Enterprise Suite 2006

## OPTIMIZEIT SUITE FOR CODE-LEVEL PERFORMANCE ANALYSIS

### OPTIMIZEIT PROFILER FOR MEMORY AND CPU PROFILING

- Virtual Machine performance overview reveals if a performance issue is related to CPU, memory, or both.
- Automatic Memory Leak Detector tracks the evolution of memory usage by quickly identifying increases in memory consumption that could indicate potential memory leaks.
- Real-time monitoring of object allocations shows how the profiled program uses the Virtual Machine memory.
- CPU profiler measures pure CPU usage or time usage during a profiling session, with a view of the time spent per method or line of code.

### OPTIMIZEIT THREAD DEBUGGER FOR UNCOVERING THREAD ISSUES

Easy-to-read color coding of thread behavior facilitates an understanding of thread issues occurring in real time.

### MONITOR USAGE ANALYZER TO PREDICT BOTTLENECKS

This tool predicts deadlocks before they occur. It generates a list of warnings and errors that could lead to deadlocks and performance bottlenecks, such as lock order warnings, lock and wait warnings, and lock and I/O wait warnings.

### OPTIMIZEIT CODE COVERAGE FOR VALIDATING TEST SESSIONS

- Real-time class coverage view quickly displays the coverage for each class and identifies classes not fully covered.
- Method Coverage View displays the methods and lines of code for a selected class that have not been used, allowing developers to modify test plans to cover all areas of the code.

## OPTIMIZEIT SERVERTRACE DEVELOPER EDITION FOR J2EE PROFILING CAPABILITIES

### TEST APPLICATIONS LOCALLY

Local testing can help identify which J2EE components have performance bottlenecks. The visual, easy-to-use interface simplifies the complexity of J2EE application interactions.

### SYSTEM DASHBOARD

This tool provides a graphical display of the application time spent in J2EE components and total number of requests. It shows the percentage usage for each server module, enabling development teams to quickly detect any major component-level performance issues.

### SYSTEM COMPOSITE VIEW

All J2EE events that have occurred in an application are displayed in their proper hierarchy, in real time. The hierarchy shows the relationship of events in terms of which ones spawn others. The HotSpot™ view sorts events according to how much time was taken to execute them.

### COMPONENT PERFORMANCE VIEWS

Detailed performance diagnostic information is provided for JDBC, JSP, JNDI, EJB, and JMS components.

### AUTOMATIC APPLICATION QUALITY ANALYZER

This analyzer identifies hidden coding issues and helps determine if developers are meeting performance and reliability standards by predicting J2EE performance issues before they occur.

## SYSTEM REQUIREMENTS

### STANDARD REQUIREMENTS

- 256 MB RAM minimum
- 200 MB hard disk space minimum
- CD-ROM drive
- SVGA (800x600, 256 color) or higher-resolution monitor
- Mouse or other pointing device

### WINDOWS®

- Intel® Pentium® II, 233 MHz or compatible
- Microsoft® Windows 2000 (SP4), Windows XP™ (SP2), or Windows 2003 (SP1)

### LINUX®

- Intel Pentium II, 233 MHz or compatible
- Red Hat® Enterprise Linux 2.1 and 3.0
- Red Hat Desktop Server 3.0
- Novell® SuSE Linux 8.1

### SOLARIS®

- UltraSPARC® II or higher
- Solaris 8 (2.8) or 9 (2.9)

## ABOUT BORLAND

Borland Software Corporation is the global leader in platform independent solutions for Software Delivery Optimization™. The company provides the software and services that align the people, process, and technology required to maximize the business value of software.



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